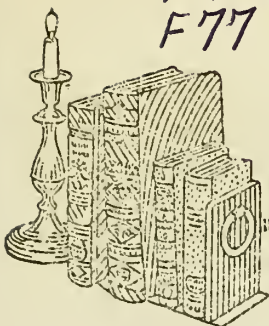


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# LIBRARY NEWSLETTER

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"Of the things which man can do or make here below, by far  
the most momentous, wonderful and worthy are the  
things we call Books."

--Thomas Carlyle.

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## NEW BOOKS

ADVANCES IN AGRONOMY, Vol. 4, edited by A. G. Norman. Academic Press, Inc.,  
1952. 416p. 30 Ad9

Another book in this series prepared under the auspices of the American Society of Agronomy is welcome. This volume contains the following papers: "Grassland Agronomy in Australia," by H. C. Trumble; "Type of Soil Colloid and the Mineral Nutrition of Plants," by A. Mehlich and N. T. Coleman; "The Physiological Basis of Variation in Yield," by D. J. Watson; "Copper in Nutrition," by F. A. Gilbert; "Ecological and Physiological Factors in Compounding Forage Seed Mixtures," by R. E. Blaser and others; "Soil Manganese in Relation to Plant Growth," by E. G. Mulder and F. C. Gerretsen; "Atomic Energy and the Plant Sciences," by N. E. Tolbert and P. B. Pearson; "Vegetation Control on Industrial Lands," by K. C. Barrons; "Soil and the Growth of Forests," by T. S. Coile.

BACK CROSSING, by Mary Thomas. Commonwealth Bureau of Plant Breeding and Genetics, Technical Communication 16, 1952. 136p. 64.9 C73

The sub-title to the book is: The Theory and Practice of the Backcross Method in the Breeding of Some Non-Cereal Crops. After a chapter on the theory of backcrossing, there are chapters on the backcross method in breeding cotton, tobacco, the tomato, and the potato. At the end of each chapter there is a very good bibliography.

FOREST MANAGEMENT, by H. A. Meyer, A. B. Recknagel, and D. D. Stevenson. Ronald Press, 1952. 290p. 99.55 M57

"This newly published textbook is designed for use in teaching regulation aspects of forest management at the professional level. It should be of primary interest also to all foresters engaged in the direct management of timberlands. It is excellently written, clear, direct, and easy to understand. The viewpoints and information are current, and emphasize the marked evolution which has taken place in American forest management practices during the past ten years....There are four parts to the book. The first ... considers the scope, objectives,

history, and present status of forest management. Part two is on general organization of forest property for management, and is concerned with surveys, maps, and classes of forest conditions, growing stock and growth, development and improvement of forests, with also a chapter on business aspects. The third part is forest regulation and includes a fine treatment of normal forest concepts. Methods of regulating the cut are realistic and practical. ... Part four deals with management plans and constitutes almost a third of the total number of pages." From a review by M. E. Deters in Journal of Forestry, August 1952.

SOIL MICROBIOLOGY, by Selman A. Waksman. John Wiley and Sons, 1952. 356p.

56.5 W13So

"The aims of this book are to survey the nature and abundance of micro-organisms in the soil, to review the important role that they play in soil processes, and, so far as possible, to show the relation between them and soil fertility. ... The book presents broadly a discussion of the soil microbiological population, the general flora and fauna of the soil, and the mutual interrelationships among microorganisms; the decomposition of plant and animal residues and the formation of humus; the transformation of various elements essential for plant growth; and the general applications of soil microbiology to other fields of knowledge, especially soil formation and plant nutrition. ... My intention was to present here a broad outline of the subject, one might even say a philosophy of soil microbiology. The supplementary books and papers recommended at the end of each chapter will help to fill the gaps and suggest additional sources of information." From the author's Preface.

MANUAL FOR TESTING AGRICULTURAL AND VEGETABLE SEEDS. U. S. Dept. of Agr.

Agricultural Handbook No. 30, 1952. 44Op. 1 Ag84Ah 30

A working manual for seed technologists giving instructions for conducting laboratory tests and interpreting them.

#### SELECTED BULLETINS

##### Agronomy

"Agronomy Handbook for South Carolina." S. C. Ext. Serv. B. 104, 192p. 1952.  
275.29 So8E 104

This bulletin contains much information applicable to any region.

"Hybrid Corn for Tennessee." Tenn. Agr. Expt. Sta. B. 227, 24p. 1952. 100  
T25S 227

"1953 Crop and Fertilizer Recommendations for Mississippi." Miss. Agr. Expt.  
Sta. C. 176, 14p. 1952. 100 M69C 176

"Treat Your Seed Grain to Insure Better Stands, Yield, and Quality." USDA  
Farm Mobilization Fact Sheet No. 5, 4p. 1952. 1.914 A5F22

##### Citrus Fruits

"Citrus-Root Nematode and Old Citrus Soil Problems in the Lower Rio Grande  
Valley." Tex. Agr. Expt. Sta. Progress Rpt. 1510, 2p. 1952. 100 T31P

"Protecting Citrus Groves from Frost: Costs and Benefits to Growers." Calif.  
Agr. Expt. Sta. B. 730, 61p. 1952. 100 C12S 730



Conservation

- "Conservation Practices for the Wheat Lands of New Mexico." N. Mex. Ext. Serv. C. 221, 23p. 1949. 275.29 N463E
- "Conservation Problems and Achievements on Selected Midwestern Farms." Ohio Agr. Expt. Sta. Spec. C. 86, 53p. 1951. 100 Oh3S 86
- "Erosion Controlled by Terraces." Wis. Agr. Expt. Sta. B. 494, 16p. 1951. 100 W75 494
- "Soil and Water Conservation Glossary." Reprinted from the Journal of Soil and Water Conservation. 1952.
- "Soil and Water Conservation Support Higher Production." USDA Farm Mobilization Fact Sheet No. 4, 4p. 1952. 1.914 A5F22

Dairying

- "Effect of Work Methods and Building Designs on Building Costs and Labor Efficiency for Dairy Chores." Ky. Agr. Expt. Sta. B. 589, 55p. 1952. 100 K41B
- "Loose Housing for the Farm Dairy." Ill. Ext. Serv. C. 694, 12p. 1952. 275.29 IL62C 694
- "Managed Milking." Md. Ext. Serv. Fact Sheet 51, 4p. 275.29 M36Fa 51
- "A Milk House to Save Milk, to Save Labor, to Improve Quality, to Increase Profits." Wis. Ext. Serv. Spec. C. 14, 32p. 1949. 275.29 W75S 14
- "Production Efficiency on New England Dairy Farms. 1. A Preliminary Appraisal of Cost Reduction Opportunities." Storrs Agr. Expt. Sta. B. 283, 51p. 1952. 100 C76S 283
- "Raising Dairy Calves." Md. Ext. Serv. Fact Sheet 53, 4p. 275.29 M36Fa 53
- "Reducing Dairy Costs on Michigan Farms." Mich. Agr. Expt. Sta. Spec. B. 376, 31p. 1952. 100 M58C 376
- "Ventilation for the Modern Dairy Barn." Mich. Ext. Serv. Ext. B. 310, 24p. 1952. 275.29 M58B

FAO

- "A Reconsideration of the Economics of the International Wheat Agreement." FAO Commodity Policy Studies No. 1, 40p. 1952. 281.9 F733C
- "The State of Food and Agriculture: Review and Outlook, 1952." FAO. 126p. 1952. 389.9 F735St

Feeds and Feeding

- "Annual Report of the Feed Control Service, 1951-52." Tex. Agr. Expt. Sta. B. 751, 148p. 1952. 100 T31S 751
- "Facing Winter Feeding Problems." Okla. Agr. Ext. Serv. C. 577. 275.29 Ok41C
- "Hay Crop Silage." Minn. Agr. Ext. Serv. Ext. Folder 157. 1952. 275.29 M66Ex

Fence Posts

- "Fence Posts, A Potential Market for Missouri Pine Timber." U. S. Forest Serv. 1951. 1 F76Fe
- "Preservative Treatment of Fence Posts and Farm Timbers." USDA Farmers' B. 2049, 33p. 1952. 1 Ag84F 2049

### Fertilizers

- "Analyses of Commercial Fertilizers Sold During 1951-52." Tex. Agr. Expt. Sta. B. 755, 65p. 1952. 100 T31S 755
- "Effect of Liming and Fertilization on Yield and the Correction of Nutritional Leaf Roll of Irish Potatoes." Fla. Agr. Expt. Sta. B. 504, 15p. 1952. 100 F66S 504
- "Liquid Fertilizers: Questions and Answers." Purdue Agr. Expt. Sta. Sta. C. 374, 3p. revised 1952. 100 In2S 374
- "Placing Supplemental Nitrogen on Corn." Ohio Agr. Expt. Sta. Agronomy Dept. Ser. 124. 1952. 100 Oh3S
- "Store and Use Barnyard Manure Properly for Conservation, Efficiency, Profits." Idaho Ext. Serv. Ext. C. 106. 1950. 275.29 Id13C 106

### Forestry

- "Early Growth of Managed Upland Hardwood Forests in Southern Illinois." Central States Forest Expt. Sta. Sta. Notes 72, 2p. 1952. 1.9 F76252S 72
- "Effects of Grading Strip-Mined Lands on the Early Survival and Growth of Planted Trees." Central States Forest Expt. Sta. Tech. Paper 130, 35p. 1952. 1.9622 C3T222
- "Forest and Shelterbelt Planting in the United States during 1951 (July 1, 1950-June 30, 1951) U. S. Forest Service. 1.962 C5Su6
- "Good Farm Forty. Fifteenth Annual Cut." Southern Forest Expt. Sta. 1952.
- "Oak Pruning in the Missouri Ozarks." Mo. Agr. Expt. Sta. B. 581, 8p. 1952. 100 M693 581
- "Poor Farm Forty. Fourteenth Annual Cut." Southern Forest Expt. Sta. 1952.
- "Re-Establishing Pine on Piedmont Cut-Over Land." Southeastern Forest Expt. Sta. Sta. Paper 18, 8p. 1952. 1.9622 S4St22
- "Soil Factors Influencing the Growth of Slash Pine Plantations in Northeast Florida." Univ. of Fla. School of Forestry Res. Rpt. No. 1, 11p. 1952. 99.9 F664
- "Research Notes." Southeastern Forest Expt. Sta. 1952. 1.9622 S4R312
- No. 16. Bumper Loblolly Cone Crop Forecast for Virginia-North Carolina Area in 1953.
- No. 17. Rapid Growth Rates of Longleaf-Slash Pine Saw Timber in the Middle Coastal Plain of Georgia.
- No. 18. Regeneration of South Florida Slash Pine Is Subject of New Research.
- No. 19. Annual Summer Fires Kill Hardwood Root Stocks.
- No. 20. 10-Year Diameter Growth of Selected Tree Species in South Georgia.
- No. 21. Extent of Loss of Loblolly Pine Seed in Winter Fires.
- "Suggested Projects in the Genetic Improvement of Southern Forest Trees." Southeastern Forest Expt. Sta. Sta. Paper 20, 12p. 1952. 1.9622 S4St22

### Grasslands and Pastures

- "Five Legume-Grass Associations for Silage and Aftermath Grazing for Dairy Cows." Pa. Agr. Expt. Sta. B. 555, 10p. 1952. 100 P38 555

- "Grasslands and Grasses of Puerto Rico." P. R. Agr. Expt. Sta. B. 102, 167p.  
1952. 100 P83
- "How Farmers Make Pasture Plans to Meet the Uncertainty of Weather." Ky. Agr.  
Expt. Sta. B. 575, 24p. 1951. 100 K41B
- "Management of Grasslands in the Northeastern States." Pa. Agr. Expt. Sta. B.  
554, 30p. 1952. 100 P38 554
- "Muck Soil Management for Hay and Pasture Production." Mich. Ext. Serv. Ext.  
B. 304, 14p. 1950. 275.29 M58B 304

#### Horticulture

- "Cabbage Production Guide." N. C. Agr. Ext. Serv. E. 89 1952. 275.29 N811F
- "Eggplant Production Guide." Fla. Agr. Ext. Serv. C. 109. 1952. 275.29 F66C
- "Tomato Wilt Diseases." N. C. Agr. Ext. Serv. Ext. F. 92. 1952. 275.29 N811F

#### Insect Pests

- "Cotton Insect Control Guide for New Mexico, 1952." N. Mex. Agr. Ext. Serv.  
C. 227, 7p. revised 1952. 275.29 N463E 227
- "For More Corn Control Corn Borer." USDA Farm Mobilization Fact Sheet No. 6,  
2p. 1952. 1.914 A5F22
- "Insects and Diseases of the Pecan in Florida." Fla. Agr. Expt. Sta. B. 499,  
75p. 1952. 100 F66S
- "Peach Tree Borer Control." Tex. Agr. Expt. Sta. Prog. Rpt. 1486, 3p. 1952.  
100 T31P
- "The Turpentine Beetle in North Carolina." N. C. Ext. Serv. Ext. F. 91. 1952.  
275.29 N811F 91

#### Irrigation

- "ABC's of Sprinkler Irrigation." S. Dak. Agr. Expt. Sta. C. 95, 31p. 1952.  
100 So82 95
- "The Border Method of Irrigation." Calif. Agr. Expt. Sta. C. 408, 23p. 1952.  
100 C12S 408
- "Irrigation Pumps: Their Selection and Use." Calif. Agr. Expt. Sta. C. 415,  
54p. 1952. 100 C12S

#### Legumes

- "Berseem Clover for Forage and Seed Production." Tex. Agr. Expt. Sta. Prog.  
Rpt. 1494, 5p. 1952. 100 T31P 1494
- "Clover Variety Tests at Kirbyville and Cleveland, 1950-52." Tex. Agr. Expt.  
Sta. Prog. Rpt. 1497, 5p. 1952. 100 T31P 1497
- "Diseases, Insects, and Other Factors in Relation to Red Clover Failure in West  
Virginia." W. Va. Agr. Expt. Sta. B. 351T, 65p. 1952. 100 W52 351T
- "Green Manure Crops at Kirbyville and Cleveland, 1951-52." Tex. Agr. Expt. Sta.  
Prog. Rpt. 1496, 2p. 1952. 100 T31P 1496
- "Honeybees and Other Factors in Florida's Legume Program." Fla. Agr. Expt. Sta.  
B. 497, 14p. 1952. 100 F66S 497
- "Lupine Anthracnose." USDA C. 904, 17p. 1952. 1 Ag84C 904



- "Mechanical Drying and Harvesting of Peanuts." Fla. Agr. Expt. Sta. B. 507, 14p. 1952. 100 F66S
- "Peanut Fertilizers and Amendments for Georgia." Ga. Agr. Expt. Sta. B. 275, 13p. 1952. 100 G29B
- "Peanut Leafspot Control." N. C. Agr. Expt. Sta. Spec. C. 16, 7p. 1952. 100 N81S
- "Winter Covercrops." Calif. Agr. Ext. Serv. C. 174, 23p. 1951. 275.29 C12C

#### Logging

- "Improved Harvesting Methods. Equipment Survey Notes." Forest Products. Lab. 1952. 1.9 F761R
- No. D1637-49. Chain Bundling.
- No. D1637-50. Rubber-Tired Skidders.
- No. D1637-51. Wyssen Cable Operation in British Columbia.
- No. D1637-52. Log Trailer Transfer Unit.

#### Range

- "Drawings of Ranch Equipment." N. Mex. Agr. Ext. Serv. C. 210, 24p. revised 1952. 275.29 N463E 210
- "The Mesquite Problem on Southern Arizona Ranges." USDA C. 908, 70p. 1952. 1 Ag84C 908
- "Pitting and Other Treatments on Native Range." Wyo. Agr. Expt. Sta. B. 318, 23p. 1952. 100 W99 318
- "Publications, Articles, Mimeographed and Other Releases by Range Research Personnel Issued in 1951." U. S. Forest Service. 1952. 1.962 A2P962
- "Range Investigations, Bighorn National Forest, Wyoming." (Progress Report No. 1) Rocky Mountain Forest and Range Expt. Sta. Sta. Paper 10, 24 & 10A. 1952. 1.9622 R2St22

#### Rice

- "Rice Breeding and Disease Control Studies in Arkansas, 1940 to 1950." Ark. Agr. Expt. Sta. B. 525, 23p. 1952. 100 Ar42 525
- "Rice Fertilization; Results of Tests from 1946 through 1951." Ark. Agr. Expt. Sta. B. 522, 31p. 1952. 100 Ar42 522
- "Rice Mill Yield and Grade in Relation to Variety and Method of Harvest." Ark. Agr. Expt. Sta. B. 526, 36p. 1952. 100 Ar42 526

#### Weed Control

- "Control of Weedy Annual Grasses in Perennial Grasses Grown for Seed: A Progress Report." Ore. Agr. Expt. Sta. C. of Inf. 514, 5p. 1952. 100 Or3C 514
- "Controlling Perennial Weeds With Tillage." Idaho Agr. Expt. Sta. B. 288, 43p. 1952. 100 Id1 288

